

**Experiment Number:** 99007-02  
**Test Type:** 14-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Goldenseal root powder  
**CAS Number:** GOLDENSEALRT

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:32:47  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C99007
<b>Lock Date:</b>	10/11/2001
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

**B6C3F1 Mouse Male  
VEHICLE CONTROL**

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	2	3	4	5	<b>*TOTALS</b>

**Alimentary System**

Liver + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99007-02  
 Test Type: 14-DAY  
 Route: DOSED FEED  
 Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Goldenseal root powder  
 CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014  
 Time Report Requested: 02:32:47  
 First Dose M/F: NA / NA  
 Lab: MBA

**B6C3F1 Mouse Male**  
**VEHICLE CONTROL**

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	2	3	4	5	*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 99007-02  
Test Type: 14-DAY  
Route: DOSED FEED  
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
Test Compound: Goldenseal root powder  
CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014  
Time Report Requested: 02:32:47  
First Dose M/F: NA / NA  
Lab: MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**1560 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

**Experiment Number:** 99007-02  
**Test Type:** 14-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Goldenseal root powder  
**CAS Number:** GOLDENSEALRT

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:32:47  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**1560 PPM**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

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Experiment Number: 99007-02  
Test Type: 14-DAY  
Route: DOSED FEED  
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
Test Compound: Goldenseal root powder  
CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014  
Time Report Requested: 02:32:47  
First Dose M/F: NA / NA  
Lab: MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**3121 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

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+ ..Tissue examined microscopically

X ..Lesion present

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M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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1) Minimal 3) Moderate

2) Mild 4) Marked

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**Test Type:** 14-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Goldenseal root powder  
**CAS Number:** GOLDENSEALRT

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:32:47  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**3121 PPM**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

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Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

**B6C3F1 Mouse Male  
6250 PPM**

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
	1	2	3	4	5	*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Spleen		+		1	
Necrosis, Chronic Active, Diffuse		4		1	4.0

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

**Experiment Number:** 99007-02  
**Test Type:** 14-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Goldenseal root powder  
**CAS Number:** GOLDENSEALRT

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:32:47  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**B6C3F1 Mouse Male**  
**6250 PPM**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
	1	2	3	4	5

**\*TOTALS**

NONE  
**Respiratory System**  
 NONE  
**Special Senses System**  
 NONE  
**Urinary System**  
 NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically  
 1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

**Experiment Number:** 99007-02  
**Test Type:** 14-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Goldenseal root powder  
**CAS Number:** GOLDENSEALRT

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:32:47  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**12500 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

**Experiment Number:** 99007-02  
**Test Type:** 14-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Goldenseal root powder  
**CAS Number:** GOLDENSEALRT

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:32:47  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**12500 PPM**

ANIMAL ID

\*TOTALS

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**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

**B6C3F1 Mouse Male  
25000 PPM**

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	
	1	2	3	4	5	<b>*TOTALS</b>

**Alimentary System**

Liver + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

**B6C3F1 Mouse Male  
25000 PPM**

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	
	1	2	3	4	5	<b>*TOTALS</b>

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male  
50000 PPM

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	6	
	1	2	3	4	5	*TOTALS

Alimentary System

Liver	+	+	+	+	+	5	
Centrilobular, Hepatocyte, Hypertrophy	1	1	1	1	1	5	1.0
Hepatocyte, Necrosis, Focal		1				1	1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

**B6C3F1 Mouse Male  
50000 PPM**

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	6	
	1	2	3	4	5	*TOTALS

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\*\*\*END OF MALE DATA\*\*\*

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

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Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

<b>B6C3F1 Mouse Female VEHICLE CONTROL</b>	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
	0	0	0	0	0		
	0	0	0	0	1		
	6	7	8	9	0	<b>*TOTALS</b>	

**Alimentary System**

Liver + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

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Experiment Number: 99007-02  
 Test Type: 14-DAY  
 Route: DOSED FEED  
 Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Goldenseal root powder  
 CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014  
 Time Report Requested: 02:32:47  
 First Dose M/F: NA / NA  
 Lab: MBA

<b>B6C3F1 Mouse Female</b> <b>VEHICLE CONTROL</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
	ANIMAL ID	0	0	0	0	0
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	1	
	6	7	8	9	0	
					<b>*TOTALS</b>	

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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X ..Lesion present

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Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

**B6C3F1 Mouse Female  
1560 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

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M ..Missing tissue

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
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**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:32:47  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**1560 PPM**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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1) Minimal 3) Moderate

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Route: DOSED FEED  
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
Test Compound: Goldenseal root powder  
CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014  
Time Report Requested: 02:32:47  
First Dose M/F: NA / NA  
Lab: MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**3121 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

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M ..Missing tissue

A ..Autolysis precludes evaluation

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

**Experiment Number:** 99007-02  
**Test Type:** 14-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Goldenseal root powder  
**CAS Number:** GOLDENSEALRT

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:32:47  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**3121 PPM**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

**B6C3F1 Mouse Female  
6250 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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**Experiment Number:** 99007-02  
**Test Type:** 14-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Goldenseal root powder  
**CAS Number:** GOLDENSEALRT

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:32:47  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**6250 PPM**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

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Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

**B6C3F1 Mouse Female**

**12500 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

**B6C3F1 Mouse Female**

**12500 PPM**

ANIMAL ID

\*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

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Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

<b>B6C3F1 Mouse Female</b> <b>25000 PPM</b>	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
	0	0	0	0	0		
	5	5	5	5	6		
	6	7	8	9	0	<b>*TOTALS</b>	

**Alimentary System**

Liver + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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1-4 ..Lesion qualified as:

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2) Mild 4) Marked

Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

<b>B6C3F1 Mouse Female</b> <b>25000 PPM</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		5	5	5	5	5
	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		5	5	5	5	6
		6	7	8	9	0
		<b>*TOTALS</b>				

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

<b>B6C3F1 Mouse Female</b> <b>50000 PPM</b>	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
		5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		6	6	6	6	7	
		6	7	8	9	0	
							<b>*TOTALS</b>

**Alimentary System**

Liver	+	+	+	+	+	5	
Centrilobular, Hepatocyte, Hypertrophy	1	1	1	1	1	5	1.0

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

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Experiment Number: 99007-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:32:47

First Dose M/F: NA / NA

Lab: MBA

<b>B6C3F1 Mouse Female</b> <b>50000 PPM</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
	ANIMAL ID	0	0	0	0	0
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	7	
	6	7	8	9	0	
	<b>*TOTALS</b>					

NONE  
**Respiratory System**

NONE  
**Special Senses System**

NONE  
**Urinary System**

NONE

**\*\* END OF REPORT \*\***

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X ..Lesion present

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